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OM protein - protein search, using sw model

Run on: November 9, 2002, 04:33:17 ; Search time 69 seconds
(without alignments)
39.703 Million cell updates/sec

Title: US-09-895-298A-83
Perfect score: 1002
Sequence: 1 MMNQPSPKMRASQMTTF.....HDGSLDLRSRSVQEGNRA 190

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 92612 seqs, 14418503 residues

Total number of hits satisfying chosen parameters: 92612

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published_Applications_AA:*
1: /cgn2_6/ptodata/1/pubpaa/US08_NEW_PUB.pep:*
2: /cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB.pep:*
3: /cgn2_6/ptodata/1/pubpaa/US06_PUB.pep:*
4: /cgn2_6/ptodata/1/pubpaa/US07_NEW_PUB.pep:*
5: /cgn2_6/ptodata/1/pubpaa/US07_PUB.pep:*
6: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep:*
7: /cgn2_6/ptodata/1/pubpaa/PCTUS_PUBCOMB.pep:*
8: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep:*
9: /cgn2_6/ptodata/1/pubpaa/US09_NEW_PUB.pep:*
10: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep:*
11: /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.pep:*
12: /cgn2_6/ptodata/1/pubpaa/US10_PUBCOMB.pep:*
13: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep:*
14: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query Match | Length | ID | Description |
|------------|-------|-------------|--------|---------------------|-------------------|
| 1 | 148 | 14.8 | 31 | US-09-864-761-44182 | Sequence 44182, A |
| 2 | 77.5 | 7.7 | 596 | US-09-815-242-5244 | Sequence 5244, Ap |
| 3 | 77.5 | 7.7 | 604 | US-09-815-242-12525 | Sequence 12525, A |
| 4 | 77 | 7.7 | 605 | US-09-841-132-574 | Sequence 574, App |
| 5 | 74.5 | 7.4 | 330 | US-09-815-242-10869 | Sequence 10869, A |
| 6 | 74.5 | 7.4 | 405 | US-09-966-871-84 | Sequence 84, Appl |
| 7 | 74.5 | 7.4 | 405 | US-10-039-645-84 | Sequence 92, Appl |
| 8 | 72.5 | 7.2 | 191 | US-09-828-644-92 | Sequence 18, Appl |
| 9 | 71.5 | 7.1 | 307 | US-09-825-882-18 | Sequence 20, Appl |
| 10 | 71.5 | 7.1 | 415 | US-09-823-114-20 | Sequence 6, Appl1 |
| 11 | 71 | 7.1 | 176 | US-09-788-600-6 | Sequence 18, Appl |
| 12 | 70.5 | 7.0 | 359 | US-09-761-962-18 | Sequence 11146, A |
| 13 | 70.5 | 7.0 | 390 | US-09-815-242-11146 | Sequence 25, Appl |
| 14 | 70.5 | 7.0 | 391 | US-09-761-962-25 | Sequence 26, Appl |
| 15 | 70.5 | 7.0 | 392 | US-09-761-962-19 | Sequence 19, Appl |
| 16 | 70.5 | 7.0 | 398 | US-09-214-904-2 | Sequence 2, Appl1 |
| 17 | 70.5 | 7.0 | 398 | US-09-761-962-29 | Sequence 29, Appl |
| 18 | 70.5 | 7.0 | 398 | US-09-966-871-79 | Sequence 79, Appl |
| 19 | 70.5 | 7.0 | 398 | US-09-966-871-79 | Sequence 79, Appl |

| | | | | | |
|----|------|-----|------|---------------------|-------------------|
| 20 | 70.5 | 7.0 | 398 | US-09-966-871-83 | Sequence 83, Appl |
| 21 | 70.5 | 7.0 | 398 | US-10-039-645-79 | Sequence 79, Appl |
| 22 | 70.5 | 7.0 | 398 | US-10-039-645-83 | Sequence 83, Appl |
| 23 | 70.5 | 7.0 | 399 | US-09-761-962-21 | Sequence 21, Appl |
| 24 | 70.5 | 7.0 | 400 | US-09-966-871-85 | Sequence 85, Appl |
| 25 | 70.5 | 7.0 | 400 | US-10-039-645-85 | Sequence 85, Appl |
| 26 | 70.5 | 7.0 | 401 | US-09-761-962-20 | Sequence 20, Appl |
| 27 | 70.5 | 7.0 | 409 | US-09-761-962-27 | Sequence 27, Appl |
| 28 | 70.5 | 7.0 | 438 | US-09-761-962-17 | Sequence 17, Appl |
| 29 | 70.5 | 7.0 | 444 | US-09-761-962-28 | Sequence 28, Appl |
| 30 | 70.5 | 7.0 | 687 | US-09-789-919-54 | Sequence 54, Appl |
| 31 | 70 | 7.0 | 226 | US-09-895-913A-64 | Sequence 64, Appl |
| 32 | 70 | 7.0 | 226 | US-09-815-242-11368 | Sequence 11368, A |
| 33 | 70 | 7.0 | 1158 | US-09-834-792-2 | Sequence 4, Appl1 |
| 34 | 69.5 | 6.9 | 382 | US-09-993-844-4 | Sequence 4, Appl1 |
| 35 | 69.5 | 6.9 | 398 | US-09-823-114-16 | Sequence 16, Appl |
| 36 | 69.5 | 6.9 | 398 | US-09-966-871-1 | Sequence 1, Appl1 |
| 37 | 69.5 | 6.9 | 398 | US-10-039-645-1 | Sequence 1, Appl1 |
| 38 | 69.5 | 6.9 | 400 | US-09-966-871-86 | Sequence 86, Appl |
| 39 | 69.5 | 6.9 | 400 | US-10-039-645-86 | Sequence 86, Appl |
| 40 | 69.5 | 6.9 | 501 | US-09-934-868-56 | Sequence 56, Appl |
| 41 | 68.5 | 6.8 | 586 | US-09-815-242-13936 | Sequence 13936, A |
| 42 | 68 | 6.8 | 1193 | US-09-756-071B-13 | Sequence 13, Appl |
| 43 | 67.5 | 6.7 | 221 | US-10-041-395-8 | Sequence 8, Appl1 |
| 44 | 67.5 | 6.7 | 348 | US-09-884-430-2 | Sequence 2, Appl1 |
| 45 | 67.5 | 6.7 | 355 | US-09-867-569-2 | Sequence 2, Appl1 |

ALIGNMENTS

RESULT 1
US-09-864-761-44182
; Sequence 44182, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharron G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; FILE REFERENCE: Aecmca-X-1
; CURRENT APPLICATION NUMBER: US/09/864, 761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30

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; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 44182
; LENGTH: 31
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AC003108.1
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 0.69
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 0.74
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 0.67
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 0.75
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 0.62
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 0.78
; OTHER INFORMATION: EST_HUMAN HIT: AW582253.1, EVALUATE 2.00e-09
US-09-864-761-44182
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Query Match          14.8%; Score 148; DB 10; Length 31;
Best Local Similarity 100.0%; Pred. No. 1.7e-09;
Matches 31; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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OY 131 KMFLIEKLKIDMEKKANPSLVLERREVE 161
Db 1 KMFLIEKLKIDMEKKANPSLVLERREVE 31
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RESULT 2

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US-09-815-242-5244
; Sequence 5244, Application US/09815242
; Patent No. US20020061569A1
; GENERAL INFORMATION:
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Karl L.
; APPLICANT: Zyskind, Judith W.
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John D.
; APPLICANT: Carr, Grant J.
; APPLICANT: Yamamoto, Robert T.
; APPLICANT: Xu, H. Howard
; TITLE OF INVENTION: Identification of Essential Genes in
; FILE REFERENCE: ELITRA.011A
; CURRENT APPLICATION NUMBER: US/09/815,242
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; NUMBER OF SEQ ID NOS: 14110
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5244
; LENGTH: 596
; TYPE: PRT
; ORGANISM: Staphylococcus aureus
US-09-815-242-5244
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Query Match          7.7%; Score 77.5; DB 10; Length 596;
Best Local Similarity 22.2%; Pred. No. 2.2;
Matches 48; Conservative 28; Mismatches 75; Indels 65; Gaps 10;
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OY 3 NFQPPSKAWRASQMTTFIFLFFPSFTGVCTLAITI-----WRKPSADCGPF 52
Db 133 SFMPLKHLMSLAIEEQFYIF-----FPVILVTLTLTKRKRYKGFIFWGSITIS----- 181
OY 53 RGLPLFTHSI-----YSWIDT-----LSTRPGYLW-----VWYIRNLIQS 88
Db 182 LGLMFTYSINGDHSRVYFGTDTRLQTLGLVLAFLWPPFKLNDPPKVKYVIDSIGS 241
OY 89 VHEFFILVLITLYLWQITEGRKIMIRLNEQIINEGKDKMFLIEKLKIDMEKK- 147
Db 242 LSFIVLILFFITNDETNN-IYDGGFYLSIL-----TLFIASVVPSTWIAKI 290
OY 148 -ANPSSVLERREVEQ-----GFLHGEHDGSL 175
Db 291 FSNPVLVFIGKRSYSLYLMHFAVISFVHSYYVDGQI 326
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RESULT 3

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US-09-815-242-12525
; Sequence 12525, Application US/09815242
; Patent No. US20020061569A1
; GENERAL INFORMATION:
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Karl L.
; APPLICANT: Zyskind, Judith W.
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John D.
; APPLICANT: Carr, Grant J.
; APPLICANT: Yamamoto, Robert T.
; APPLICANT: Xu, H. Howard
; TITLE OF INVENTION: Identification of Essential Genes in
; FILE REFERENCE: ELITRA.011A
; CURRENT APPLICATION NUMBER: US/09/815,242
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; NUMBER OF SEQ ID NOS: 14110
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12525
; LENGTH: 604
; TYPE: PRT
; ORGANISM: Staphylococcus aureus
US-09-815-242-12525
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Query Match          7.7%; Score 77.5; DB 10; Length 604;
Best Local Similarity 22.2%; Pred. No. 2.2;
Matches 48; Conservative 28; Mismatches 75; Indels 65; Gaps 10;
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OY 3 NFQPPSKAWRASQMTTFIFLFFPSFTGVCTLAITI-----WRKPSADCGPF 52
Db 133 SFMPLKHLMSLAIEEQFYIF-----FPVILVTLTLTKRKRYKGFIFWGSITIS----- 187
OY 53 RGLPLFTHSI-----YSWIDT-----LSTRPGYLW-----VWYIRNLIQS 88
Db 182 LGLMFTYSINGDHSRVYFGTDTRLQTLGLVLAFLWPPFKLNDPPKVKYVIDSIGS 247
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US-10-039-645-84
; Sequence 84, Application US/10039645
; Patent No. US20020147170A1
; GENERAL INFORMATION:
; APPLICANT: Kopin, Alan S.
; APPLICANT: Beilborn, Martin
; TITLE OF INVENTION: Constitutively Active, Hypersensitive,
; TITLE OF INVENTION: and No. US20020147170A1functional Receptors as No. US20020147170A1
; FILE REFERENCE: 00398/510002
; CURRENT APPLICATION NUMBER: US/10/039,645
; CURRENT FILING DATE: 2001-10-25
; PRIOR APPLICATION NUMBER: US 60/243,550
; PRIOR FILING DATE: 2000-10-26
; NUMBER OF SEQ ID NOS: 87
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 84
; LENGTH: 405
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-039-645-84

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| Best Local Similarity | 23.1%; | Pred. No. 2.7; | | |
| Matches | 31; | Conservative | 23; | Mismatches 43; Indels 37; Gaps 6; |
| QY | 25 | FFPSEFTGV--LCTLAITWRLKPSADCGPFRGLPL-----FIHSIYSWI----- | 66 | |
| Db | 155 | YNNFTSIFLCTMSVD---RYIACVHPVKALDLRTPRNAKIINICNMWLLSSAIGLPVM | 210 | |
| QY | 67 | --DTLSTRPG-----YLMVWVIYRNLIGSVHFFILTLVILTYLYLWQITGRRKIMI | 117 | |
| Db | 211 | FMATTKYRQGSIDCITLTFSHPIYWMENLKLKICVFIFAFIMPLIITVCY-----GLMITL | 264 | |
| QY | 118 | RLLHEQIINEGDKD | 131 | |
| Db | 265 | RLKSVRLSGSKER | 278 | |

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; RESULT 8
; US-09-828-644-92
; Sequence 92, Application US/09828644
; Patent No. US20020015998A1
; GENERAL INFORMATION:
; APPLICANT: Vogell, Gabriel
; TITLE OF INVENTION: No. US20020015998A1e1 G Protein-Coupled Receptors
; FILE REFERENCE: 00196U51
; CURRENT APPLICATION NUMBER: US/09/828,644
; CURRENT FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: 60/195,150
; PRIOR FILING DATE: 2000-04-06
; PRIOR APPLICATION NUMBER: 60/195,099
; PRIOR FILING DATE: 2000-04-06
; PRIOR APPLICATION NUMBER: 60/195,151
; PRIOR FILING DATE: 2000-04-06
; PRIOR APPLICATION NUMBER: 60/195,148
; PRIOR FILING DATE: 2000-04-06
; PRIOR APPLICATION NUMBER: 60/195,093
; PRIOR FILING DATE: 2000-04-06
; PRIOR APPLICATION NUMBER: 60/195,098
; PRIOR FILING DATE: 2000-04-06
; PRIOR APPLICATION NUMBER: 60/230,149
; PRIOR FILING DATE: 2000-09-05
; NUMBER OF SEQ ID NOS: 117
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 92
; LENGTH: 191
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-828-644-92

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| Query Match | 7.28; | Score 72.5; | DB 10; | Length 191; |
| Best Local Similarity | 22.48; | Pred. No. 1.7; | | |
| Matches. 34; | Conservative 28; | Mismatches 55; | Indels 35; | Gaps 6 |

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QY 1 MNMFQPPSKAMRASQMTTEFFLEFLFFSPSTGVLCLAIT-----IMRLKRSADCGPFRGLP 56
    : : : : : : : : : : : : : : : : : :
Db 34 VINNQSKQCMWAVLILPFPMMVLEFGKLLSYFICIMGYTAVFIWLLRLSD----- 85
    : : : : : : : : : : : : : : : : : :
QY 57 LEIHSIYSWIDTLESTRPGYLWV-WIYRNLIGSVHFFILTLVLITFYLWQITEGRKI 115
    : : : : : : : : : : : : : : : : : :
Db 86 --MHTKNAEQNTLEI--SFLSVYIKWRPLRLSNLLLMLILVLILYKLCIIMHWVH--- 137
    : : : : : : : : : : : : : : : : : :
QY 116 MIRLLHEQIINEGKDKMFLIEKLKLQDMKK 147
    : : : : : : : : : : : : : : : : : :
Db 138 ---VHEYVLKYG-----MKNLHEKK 155
    : : : : : : : : : : : : : : : : : :
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RESULT 9
US-09-825-882-18
; Sequence 18, Application US/09825882
; Patent No. US20020094551A1
; GENERAL INFORMATION:
; APPLICANT: ADLER, JON ELLIOT
; TITLE OF INVENTION: T2R TASTE RECEPTORS AND GENES ENCODING SAME
; FILE REFERENCE: 078003/0279152/RXT
; CURRENT APPLICATION NUMBER: US/09/825,882
; CURRENT FILING DATE: 2001-04-05
; PRIOR APPLICATION NUMBER: 60/195,532
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: 60/247,014
; PRIOR FILING DATE: 2000-11-13
; NUMBER OF SEQ ID NOS: 31
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 18
; LENGTH: 307
; TYPE: PRT
; ORGANISM: Homo sapiens
;
US-09-825-882-18

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| Query Match | 7.1%; | Score 71.5; | DB 10; | Length 307; |
| Best Local Similarity | 40.0%; | Pred. No. 4; | | |
| Matches | 20; | Mismatches 7; | Indels 14; | Gaps 9; |
| QY | 60 | HSIYSWIDTSTR-PCGLMVVMVIRNLIGSVHFFILTLIVLITYLWQ | 108 | |
| | : : | | | |
| Db | 116 | HSTFLM--LKMRFG--WVPWL---LLGSVLISFIITLLEFWNVNRYIQ | 157 | |

RESULT 10
 US-09-823-114-20
 ; Sequence 20, Application US/09823114
 ; Patent No. US20020061554A1
 ;
 GENERAL INFORMATION:
 ;
 APPLICANT: EVANS, CHRISTOPHER J.
 ;
 KEITH, DUANE E.
 ;
 TITLE OF INVENTION: OPIOID RECEPTOR GENES
 ;
 NUMBER OF SEQUENCES: 25
 ;
 CORRESPONDENCE ADDRESS:
 ;
 ADDRESSEE: MORRISON & FOERSTER
 ;
 STREET: 2000 PENNSYLVANIA AVENUE, NW, Suite 5500
 ;
 CITY: WASHINGTON
 ;
 STATE: DC
 ;
 COUNTRY: USA
 ;
 ZIP: 20006-1888
 ;
 COMPUTER READABLE FORM:
 ;
 MEDIUM TYPE: floppy disk
 ;
 COMPUTER: IBM PC compatible
 ;
 OPERATING SYSTEM: PC-DOS/MS-DOS
 ;
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 ;
 CURRENT APPLICATION DATA:
 ;
 APPLICATION NUMBER: US/09/823,114
 ;
 FILING DATE: 29-Mar-2001
 ;
 CLASSIFICATION: <Unknown>
 ;
 PRIOR APPLICATION DATA:
 ;
 APPLICATION NUMBER: 09/148,351
 ;
 FILING DATE: <Unknown>
 ;

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;
; ATTORNEY/AGENT INFORMATION:
; NAME: MURASHIGE, KATE H.
; REGISTRATION NUMBER: 29,959
; REFERENCE/DOCKET NUMBER: 22000-20526.22
;
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 887-1500
; TELEFAX: (202) 887-0763
; TELEEX: 90-4030 MRSNFOERSWSH
;
; INFORMATION FOR SEQ ID NO: 20:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 415 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
;
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: group(9, 12, 33, 40, 48)
; OTHER INFORMATION: /note="extracellular Asn residues
; that are consensus sites for N-linked glycosylation"
;
; SEQUENCE DESCRIPTION: SEQ ID NO: 20:
US-09-823-114-20

Query Match
Best Local Similarity 7.1%; Score 71.5; DB 10; Length 415;
Matches 30; Conservative 23; Mismatches 44; Indels 37; Gaps 6;

QY 25 FFPSETGV-LCTLAITWRLKPSADCGPFRGLPL-----FHSIYSWT----- 66
; : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 150 YNMTSIFLTCTMSVD----RYAVCHPYKALDFRTPRNAKIIVNCNWLSSAIGLPVM 205
; : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :

QY 67 --DTLSTRPG-----YLMVWVIYRNIGSVHFFLLTLVLIITLYLWQITEGRKIMI 117
; : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 206 EMATTKYRGSIDCTLFPSHPTWYENLVKICVFIFAFIMPVLIITVCY-----GLMIL 259
; : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :

QY 118 RLHEQIINEGDK 131
; : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 260 RLKSVRMLSGSKK 273
; : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :

RESULT 11
US-09-788-600-6
; Sequence 6, Application US/09788600
; Patent No. US20020004489A1
; GENERAL INFORMATION:
; APPLICANT: Shi et al.
; TITLE OF INVENTION: Retinoid Receptor Interacting Polynucleotides, Polypeptides, and
; FILE REFERENCE: PT017P1
; CURRENT APPLICATION NUMBER: US/09/788,600
; PRIOR FILING DATE: 2001-02-23
; PRIOR APPLICATION NUMBER: PCT/US00/22351
; PRIOR FILING DATE: 2000-08-15
; PRIOR APPLICATION NUMBER: 60/189,026
; PRIOR FILING DATE: 2000-03-14
; PRIOR APPLICATION NUMBER: 60/148,757
; PRIOR FILING DATE: 1999-08-16
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: Patentln Ver. 2.0
; SEQ ID NO 6
; LENGTH: 176
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-788-600-6

Query Match
Best Local Similarity 7.1%; Score 71; DB 10; Length 176;
Matches 24; Conservative 16; Mismatches 26; Indels 16; Gaps 3;

QY 119 LLHEQIINEGDKMFLI-----EKLIK-LQDMKRNPPSSVLVLRRE--VEQ 162
; : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 74 LLAKAVATECKTTFENISASTIVSKWKGDSKLVRLVLELARYHAPSTIFLDELSEVMSQ 133
; : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :

QY 163 QGFLHGEHDSLDLRSRSVQ 184
; : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
```

```

; : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 134 RGTASGGEHESILRMKTELLVQ 155
; : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :

RESULT 12
US-09-761-962-18
; Sequence 18, Application US/09761962
; Patent No. US20020077285A1
; GENERAL INFORMATION:
; APPLICANT: Memorial Sloan-Kettering Cancer Center
; TITLE OF INVENTION: Identification and Characterization of Multiple Splice
; TITLE OF INVENTION: Variants of Mu-
; FILE REFERENCE: 830002-2000.1
; CURRENT APPLICATION NUMBER: US/09/761,962
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/743,872
; PRIOR FILING DATE: 2001-03-13
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: Patentln version 3.0
; SEQ ID NO 18
; LENGTH: 359
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-761-962-18

Query Match
Best Local Similarity 7.0%; Score 70.5; DB 10; Length 359;
Matches 30; Conservative 23; Mismatches 44; Indels 37; Gaps 6;

QY 25 FFPSETGV-LCTLAITWRLKPSADCGPFRGLPL-----FHSIYSWT----- 66
; : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 109 YNMTSIFLTCTMSVD----RYAVCHPYKALDFRTPRNAKIIVNCNWLSSAIGLPVM 164
; : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :

QY 67 --DTLSTRPG-----YLMVWVIYRNIGSVHFFLLTLVLIITLYLWQITEGRKIMI 117
; : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 165 EMATTKYRGSIDCTLFPSHPTWYENLVKICVFIFAFIMPVLIITVCY-----GLMIL 218
; : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :

QY 118 RLHEQIINEGDK 131
; : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 219 RLKSVRMLSGSKK 232
; : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :

RESULT 13
US-09-815-242-11146
; Sequence 11146, Application US/09815242
; Patent No. US20020061569A1
; GENERAL INFORMATION:
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Karl L.
; APPLICANT: Zyskind, Judith W.
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John D.
; APPLICANT: Carr, Grant J.
; APPLICANT: Yamamoto, Robert T.
; APPLICANT: Xu, H. Howard
; TITLE OF INVENTION: Identification of Essential Genes in
; FILE REFERENCE: ELITRA.011A
; CURRENT APPLICATION NUMBER: US/09/815,242
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
```

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; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; NUMBER OF SEQ ID NOS: 14110
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11146
; LENGTH: 390
; TYPE: PRT
; ORGANISM: Haemophilus influenzae
US-09-815-242-11146
```

```
Query Match          7.0%; Score 70.5; DB 10; Length 390;
Best Local Similarity 26.8%; Pred. No. 6.9;
Matches 33; Conservative 18; Mismatches 33; Indels 39; Gaps 7;
```

```
QY 92 FEILTLVLTITLYW-----QITE-----GRKIMRLHEQT-----IN-EGDKM 132
      | : | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 27 FILLLLIGIACALYWFELKDFEEDAYVGNQVMV---SSQYAGNVAKINADNDKV 83
      | : | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY 133 FLIEKLIKQDMKKAN-----PSSIVLERREVEQGF-----LHLGEHDSL 175
      | : | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 84 HAGDILVELDITNAKLSFEQAKSNLANAVRQVEQLGFVQQLQSAVHANESLSAQAGNL 143
      | : | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY 176 DLR 178
      |
Db 144 ARR 146
```

RESULT 14
US-09-761-962-25

```
; Sequence 25, Application US/09761962
; Patent No. US20020077285A1
```

```
; GENERAL INFORMATION:
; APPLICANT: Memorial Sloan-Kettering Cancer Center
; TITLE OF INVENTION: Identification and Characterization of Multiple Splice
; TITLE OF INVENTION: Variants of Mu-
; FILE REFERENCE: 830002-2000.1
; CURRENT APPLICATION NUMBER: US/09/761,962
; CURRENT FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/743,872
; PRIOR FILING DATE: 2001-03-13
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 25
; LENGTH: 390
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-761-962-25
```

```
Query Match          7.0%; Score 70.5; DB 10; Length 390;
Best Local Similarity 22.4%; Pred. No. 6.9;
Matches 30; Conservative 23; Mismatches 44; Indels 37; Gaps 6;
```

```
QY 25 FFPSTGV--LCTLAITWRKPSADCGPFRGLPL-----FHSIYSWI----- 66
      | : | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 148 YNMFSTSLFTLCTMSVD---RYIACHPVKALDFRTPRNAKIYVNCNWLSSAIGLPVM 203
      | : | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY 67 --DTLSTRPG-----YLMVWVIYRNLIQSVHFFILTLVLTITLYWQITEGRKIMI 117
      | : | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 204 FMATTKYRQGSIDCTLTFSHPTWYMWENLLKICVFIFAFIMPVLITVCY-----GLMIL 257
      | : | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY 118 RLHEQIINEGKDK 131
      | | : : : : | : |
Db 258 RLKSVRLSGSKER 271
```

RESULT 15
US-09-761-962-26

```
; Sequence 26, Application US/09761962
; Patent No. US20020077285A1
```

```
; GENERAL INFORMATION:
; APPLICANT: Memorial Sloan-Kettering Cancer Center
; TITLE OF INVENTION: Identification and Characterization of Multiple Splice
```

```
; TITLE OF INVENTION: Variants of Mu-
; TITLE OF INVENTION: opiod Receptor (MOR-1) Gene
; FILE REFERENCE: 830002-2000.1
; CURRENT APPLICATION NUMBER: US/09/761,962
; CURRENT FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/743,872
; PRIOR FILING DATE: 2001-03-13
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 26
; LENGTH: 391
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-761-962-26
```

```
Query Match          7.0%; Score 70.5; DB 10; Length 391;
Best Local Similarity 22.4%; Pred. No. 6.9;
Matches 30; Conservative 23; Mismatches 44; Indels 37; Gaps 6;
```

```
QY 25 FFPSTGV--LCTLAITWRKPSADCGPFRGLPL-----FHSIYSWI----- 66
      | : | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 148 YNMFSTSLFTLCTMSVD---RYIACHPVKALDFRTPRNAKIYVNCNWLSSAIGLPVM 203
      | : | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY 67 --DTLSTRPG-----YLMVWVIYRNLIQSVHFFILTLVLTITLYWQITEGRKIMI 117
      | : | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 204 FMATTKYRQGSIDCTLTFSHPTWYMWENLLKICVFIFAFIMPVLITVCY-----GLMIL 257
      | : | | | | | | | | | | | | | | | | | | | | | | | | | | | |
QY 118 RLHEQIINEGKDK 131
      | | : : : : | : |
Db 258 RLKSVRLSGSKER 271
```

Search completed: November 9, 2002, 04:43:29
Job time : 71 secs